

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L9	1	(anode first\$1electrode positive\$2electrode transparent\$2electrode (hole near3 inject\$4\$ near2 electrode)) with (((quantum near2 dot) QD) with (luminesce\$5 near center)) with (cathode (electron near3 inject\$4\$ near2 electrode) negative\$2electrode second\$2electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L10	5394	(phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film )) with ((quantum near2 dots) (QD))	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L11	15	anode with (inorganic near3 (phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film )) with ((quantum near2 dots) (QD))) with cathode	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L12	0	L11 and @ad<"20040123"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L13	15	anode with (inorganic near3 (phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film )) with (ano (quantum near2 dots) (QD))) with cathode	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21

L14	15	anode with (inorganic near3 (phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film ))) with (nano \$3crysals nano(quantum near2 dots) (QD))) with cathode	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L15	18	anode with (inorganic near3 (phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film ))) with (nano \$3crystal nano(quantum near2 dots) (QD))) with cathode	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L16	4	anode with (inorganic near3 (phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film ))) with (nano \$3crystal nano\$particle with ((quantum near2 dots) (QD))) with cathode	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L17	0	anode with (direct\$2 near3 (touch\$3 contact \$3)) with (inorganic near3 (phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film ))) with (nano \$3crystal nano\$particle with ((quantum near2 dots) (QD))) with (direct \$2 near3 (touch\$3 contact \$3)) with cathode	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21

L18	0	(anode first\$1electrode positive\$2electrode transparent\$2electrode (hole near3 inject\$4\$ near2 electrode) with (direct\$2 near3 (touch\$3 contact\$3)) with (inorganic near3 (phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film ))) with (nano \$3crystal nano\$particle with ((quantum near2 dots) (QD))) with (direct \$2 near3 (touch\$3 contact \$3)) with (cathode (electron near3 inject\$4\$ near2 electrode) negative \$2electrode second \$2electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L19	2	"313"/\$ and( "anode/lel/ cathode" "anode/eml/ cathode")	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L20	2	"313"/\$ and ("anode/lel/ cathode" "anode/eml/ cathode")	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L21	2	("anode/lel/cathode" "anode/eml/cathode")	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L22	8561	(anode first\$1electrode positive\$2electrode transparent\$2electrode (hole near3 inject\$4\$ near2 electrode) near3 (phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film ))) near3 (cathode (electron near3 inject\$4\$ near2 electrode) negative \$2electrode second \$2electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L23	3227	L22 and @ad<"20040123"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21

L24	1765	L22 and @ad<"20040123" and ("313" "445").clas.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L25	0	L23 and ZnSeTe with ( luminescent near center)	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L26	1308	L22 and @ad<"20040123" and 313/500-512.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L27	13596	pd<"20040123" and 313/500-512.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L28	684	L22 and @pd<"20040123" and 313/500-512.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L29	183	L28 and (inorganic near3 (phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film)))	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L30	6	"20040023010"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L31	310	(inorganic near2 semiconductor) with (QD (quantum adj dots) nano \$3crystal (luminescent near3 center))	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L32	1	L31 and @ad<"20040123" and ("313" "445").clas.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L33	0	(amibipolar near2 semiconductor) with (QD (quantum adj dots) nano \$3crystal (luminescent near3 center))	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L34	0	(amibipolar near2 semiconductor)	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L35	181	(ZnS near3 semiconductor ) with (QD (quantum adj dots) nano \$3crystal (luminescent near3 center))	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L36	52	L35 and @ad<"20040123"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21

L37	11	(QD (quantum adj dots) nano\$3crystal (luminescent near3 center)) with (disper\$5 mixt\$5 ) with (inorganic near2 semiconductor near3 material)	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L38	1492	(inorganic near3 (diode LED/u.c.))	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L39	34	(inorganic near3 (diode LED/u.c.)).ti,ab.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L40	34	(in\$3organic near3 (diode LED/u.c.)).ti,ab.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L41	41	(ambipolar near2 semiconductor)	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L42	1	"10587029"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L43	1	"20080122341"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L44	1	"20080122341"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/15 13:21
L45	1	"20020151094"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L46	30	(inorganic near3 (light near3 (emitting emissive emission)) near3 diode).ti, ab.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L47	39	(inorganic near3 (LED.u/c. (light near3 (emitting emissive emission)) near3 diode)).ti,ab.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L48	19	((MASAHIRO) near2 (ORITA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L49	108	((HIROSHI) near2 (KAWAZOE)).INV.	US-PGPUB; USPAT	OR	ON	2010/09/15 13:21
L50	202	((SATOSHI) near2 (KOBAYASHI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L51	15	((HIROAKI) near2 (YANAGITA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L52	3	((MORIHIRO) near2 (NIIMI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L53	1	((MISAKI) near2 (HATSUDA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L54	0	( ZnSeTe with ( luminescent near center)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21

L55	0	(L48 L49 "I234" L51 L52 L53) and (QD Quantum \$3dot).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L56	0	(L48 L49 "I234" L51 L52 L53) and (nano\$3crystal).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L57	0	(L48 L49 "I24" L51 L52 L53) and (nano\$3crystal).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L58	42	(qd (quantum adj dots) (nano near3 crystal)) and roy.xp,xa.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L59	75	("20010001207"   "20010013668"   "20020017651"   "20020043926"   "20020054406"   "20020063520"   "20020079837"   "20020084748"   "20020084749"   "20020085601"   "20020121645"   "20020140880"   "20020154406"   "20020180351"   "20030002272"   "20030038295"   "20030217806"   "20040116033"   "20040144987"   "20040145288"   "20040145289"   "20040145312"   "20040145895"   "20040145913"   "20040149998"   "20040150991"   "20040150997"   "20040159900"   "20050116235"   "20050116635"   "20050117366"   "20050134527"   "20050140270"   "4882617"   "5540978"   "5540987"   "5552927"   "5568316"   "5813752"   "5813753"   "5831375"   "5882774"   "5959316"   "6010751"   "6101032"   "6155699"   "6172810"   "6186649"   "6340824"   "6366018"   "6368699"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21

		"6373188"   "6404125"   "6472765"   "6486997"   "6501091"   "6504301"   "6506480"   "6515785"   "6521329"   "6531230"   "6534158"   "6547400"   "6578421"   "6583930"   "6601962"   "6635903"   "6652996"   "6653765"   "6686676"   "6717348"   "6744077"   "7091653"   "7250611").PN. OR ("7394188").URPN.				
L60	9	(qd (quantum adj dot) (nano near3 crystal) nanocrystal nano\$particle nano \$sphere) and ( roy near2 sikha).xp,xa.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L61	2098	((quantum near2 dots) qd) near2 (phosphor\$4 electro\$luminescen\$3 luminescen\$3 fluorescen \$3 light\$emissive light \$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film))).ti,ab,detd.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L62	142	L61 and "313".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L63	26	L62 and @ad<"20040123"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L64	19	L62 and @ad<"20040123" and inorganic	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:21
L69	10	electrospray\$3 with nanocrystal	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:22
L70	26	anneal\$3 with nanocrystal with remov\$3	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:22
L71	4	L70 and @ad<"20040123"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:22
L72	3	L69 and @ad<"20040123"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:22
L73	1	electrospray\$3 same anneal\$3 with nanocrystal	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:22
L74	0	electrospray\$3 same anneal\$3 with nanocrystal	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/15 13:22

L75	0	electrospray\$3 and anneal \$3 with nanocrystal	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/09/15 13:22
L76	9	electrospray\$3 and anneal \$3 with nanocrystal	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:22
L77	3	L76 and @ad<"20040123"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:22
L78	1	electrospray\$3 and anneal \$3 with nanocrystal near3 colloid	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:22
L79	1	11/484778	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:22
L80	2	(surface near3 (modify\$3 modification)) with nanocrystal near3 colloid	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/15 13:22

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L65	0	(ambipolar near3 semiconductor).clm.	USPAT; UPAD	OR	ON	2010/09/15 13:21
L66	8	(ambipolar near3 semiconductor).clm.	USPAT; UPAD	OR	ON	2010/09/15 13:21
L67	0	( ZnSeTe with ( luminescent near center)).clm.	USPAT; UPAD	OR	ON	2010/09/15 13:22
L68	1	anode with (inorganic near3 (phosphor\$4 electro \$luminescen\$3 luminescen \$3 fluorescen\$3 light \$emissive light\$emitting light\$emission (light near3 (emissive emitting emission) near3 (layer film ))) with (nano \$3crystal nano\$particle with ((quantum near2 dots) (QD)))) with cathode	USPAT; UPAD	OR	ON	2010/09/15 13:22
L81	0	(amibipolar near2 semiconductor)	USPAT; UPAD	OR	ON	2010/09/15 13:27

9/15/2010 1:28:13 PM

H:\Documents and Settings\tgreen3\_copy\My Documents\EAST\Workspaces\us\_10587029.wsp